

**UTILITY PATENT APPLICATION TRANSMITTAL  
(Small Entity)***(Only for new nonprovisional applications under 37 CFR 1.53(b))*Docket No.  
TALP:104US

Total Pages in this Submission

**TO THE COMMISSIONER FOR PATENTS**

Mail Stop Patent Application

P.O. Box 1450

Alexandria, VA 22313-1450

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for invention entitled:

**COMPUTER-BASED METHOD AND APPARATUS FOR REPURPOSING AN ONTOLOGY**

and invented by:

Kilian Stoffel, et al.

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Enclosed are:

**Application Elements**

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 36 pages and including the following:
  - a. ☒ Descriptive Title of the Invention
  - b. ☒ Cross References to Related Applications *(if applicable)*
  - c. ☐ Statement Regarding Federally-sponsored Research/Development *(if applicable)*
  - d. ☒ Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix
  - e. ☒ Background of the Invention
  - f. ☒ Brief Summary of the Invention
  - g. ☒ Brief Description of the Drawings *(if filed)*
  - h. ☒ Detailed Description
  - i. ☒ Claim(s) as Classified Below
  - j. ☒ Abstract of the Disclosure

09/940 U.S. PTO

10/665780

09/19/03

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**Application Elements (Continued)**

3. ☒ Drawing(s) *(when necessary as prescribed by 35 USC 113)*
- a. ☒ Formal      Number of Sheets      10
- b. ☐ Informal      Number of Sheets      \_\_\_\_\_
4. ☒ Oath or Declaration
- a. ☐ Newly executed *(original or copy)*      ☒ Unexecuted
- b. ☐ Copy from a prior application (37 CFR 1.63(d)) *(for continuation/divisional application only)*
- c. ☒ With Power of Attorney      ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application,  
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference *(usable if Box 4b is checked)*  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under  
Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby  
incorporated by reference therein.
6. ☒ CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7. ☐ Application Data Sheet (See 37 CFR 1.76)
8. ☐ Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all must be included)*
- a. ☐ Computer Readable Form (CFR)
- b. ☐ Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ Paper
- c. ☐ Statement(s) Verifying Identical Paper and Computer Readable Copy

**Accompanying Application Parts**

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(B) Statement (when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement/PTO-1449      ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☒ Certificate of Mailing
- ☐ First Class      ☒ Express Mail (Specify Label No.): EL 98288871 US

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**Accompanying Application Parts (Continued)**

17. ☒ Applicant claims small entity status. See 37 CFR 1.27.

☐ (Optional) Small Entity Statement(s) - Specify Number of Statements Submitted: \_\_\_\_\_

18. ☒ Additional Enclosures *(please identify below)*:

Transmittal Letter under CFR §1.52(e)(3)(ii) accompanying a compact disc, in duplicate

**Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)**

19. ☐ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

**Warning**

***An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.***

09/19/03

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**Fee Calculation and Transmittal****CLAIMS AS FILED**

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	14	- 20 =	0	x \$9.00	\$0.00
Indep. Claims	14	- 3 =	11	x \$42.00	\$462.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$375.00
OTHER FEE (specify purpose)					\$0.00
TOTAL FILING FEE					\$837.00

- ☒ A check in the amount of \$837.00 to cover the filing fee is enclosed.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 50-0822 as described below.
- ☐ Charge the amount of \_\_\_\_\_ as filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Dated: September 19, 2003

  
Signature

Robert P. Simpson, Esq.  
Registration No. 33,034  
CUSTOMER NO. 24041  
Simpson & Simpson, PLLC  
5555 Main Street  
Williamsville, New York 14221-5406  
Telephone No.: 716-626-1564

RPS/LAC  
cc:

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**Applicant(s): **Kilian Stoffel, et al.**

Docket No.

**TALP:104US**

Serial No.

N/A

Filing Date

N/A

Examiner

N/A

Group Art Unit

N/A

Invention:

**COMPUTER-BASED METHOD AND APPRATUS FOR REPURPOSING AN ONTOLOGY**

I hereby certify that the following correspondence:

**New U.S. Nonprovisional Patent Application and related documents***(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

September 19, 2003*(Date)*KAREN R. BRUNO*(Typed or Printed Name of Person Mailing Correspondence)*Karen R Bruno*(Signature of Person Mailing Correspondence)*EL 98288871 US*("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

Express Mail Label No. EL 982888871 US

Attorney Docket No. TALP:104US  
September 19, 2003  
Attorney Docket No. TALP:104US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Kilian Stoffel, et al. Examiner: N/A

Serial No.: N/A Art Unit: N/A

Filed: N/A

For: COMPUTER-BASED METHOD AND APPARATUS  
FOR REPURPOSING AN ONTOLOGY

**SUBMISSION OF COMPUTER PROGRAM LISTING APPENDIX  
ON COMPACT DISC**

Under 37 CFR § 1.52(e)(3)(ii)

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Honorable Sir:


Applicants hereby submit a computer program listing appendix on compact disc, in duplicate. Each compact disc is in IBM-PC machine format and is compatible with the MS-Windows operating system. Each disc contains 35 files as follows:

File Name	File Size kb	Date Created
config.h	1	08/28/2003
corpus.owl	2	08/28/2003
create_wn_owl	8	08/28/2003
generate_wndata.sh	2	08/28/2003
htsameta.owl	5	08/28/2003
mm.pl	8	05/03/2003
ontology_example.owl	29	08/28/2003
parser_text.py	2	05/01/2003
porter.py	13	05/03/2003
process_results.pl	2	08/28/2003
process_stemmed_word.pl	2	08/28/2003
TREC_collection_example.tx	5	08/28/2003
wn_ant.pl	233	05/03/2003
wn_at.pl	32	05/03/2003
wn_cs.pl	6	05/03/2003
wn_ent.pl	11	05/03/2003
wn_fr.pl	397	05/03/2003
wn_g.pl	9967	05/03/2003
wn_hyp.pl	2292	05/03/2003
wn_mm.pl	295	05/03/2003
wn_mp.pl	198	05/03/2003
wn_ms.pl	19	05/03/2003
wn_per.pl	225	05/03/2003
wn_ppl.pl	4	05/03/2003
wn_s.pl	6736	05/03/2003
wn_sa.pl	95	05/03/2003
wn_sim.pl	572	05/03/2003
wn_vgp.pl	49	05/03/2003
wnowldefs.owl	9	08/28/2003
wp_charset.c	16	08/28/2003
wp_charset.h	1	08/28/2003
wp_reader.c	43	08/28/2003
wp_reader.dsp	4	08/28/2003
wp_reader.dsw	1	08/28/2003
wp_reader.h	3	08/28/2003

Attorney Docket No. TALP:104US  
September 19, 2003

The attached compact discs are identical in content and are labeled "Copy 1" and "Copy 2", respectively. The discs are hereby submitted in accordance with 37 CFR § 1.52(e)(3)(ii).

Respectfully submitted,



Robert P. Simpson, Esq.

Registration No. 33,034

Attorney for Applicant

Simpson & Simpson, PLLC

5555 Main Street

Williamsville, NY 14221-5406

Telephone No. 716-626-1564

Dated: September 19, 2003

RPS/LAC

Enclosures